

ABSTRACT

A rotor assembly includes at least one superconducting winding assembly positioned within a cryogenic region of the rotor assembly, and a cantilevered member, mechanically coupled between the at least one superconducting winding assembly and the shaft. The cantilevered member extends between the non-cryogenic region and cryogenic region of the rotor assembly. The at least one superconducting winding assembly, in operation, generates a magnetic flux linking the stator assembly.

10

20290104.doc